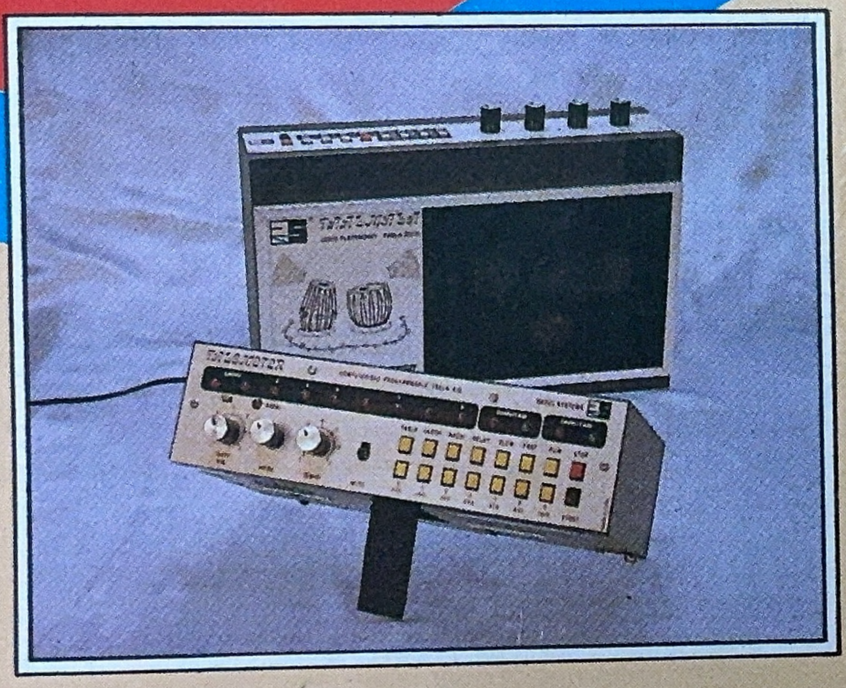
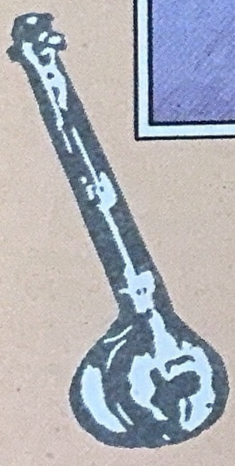
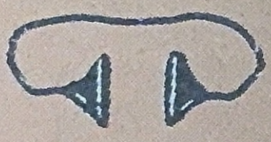
ELECTRONIC MUSICAL INSTRUMENTS







Illustrated Catalogue of instruments exclusively for Indian Classical Music

® Radel systems

217, 8-F Main Road, 3rd Block, Jayanagar,
Bangalore - 560 011, India Telephone: 647991

'TAALMALA' PT-13 & PT-24
ELECTRONIC TABLAS

The "Taalmala" produces the actual sound of the Tabla as played by an artist. It is ideal for use during practice sessions or when a tabla accompaniment is not available. It is a computer (microprocessor) based instrument using the state of the art electronic technology.

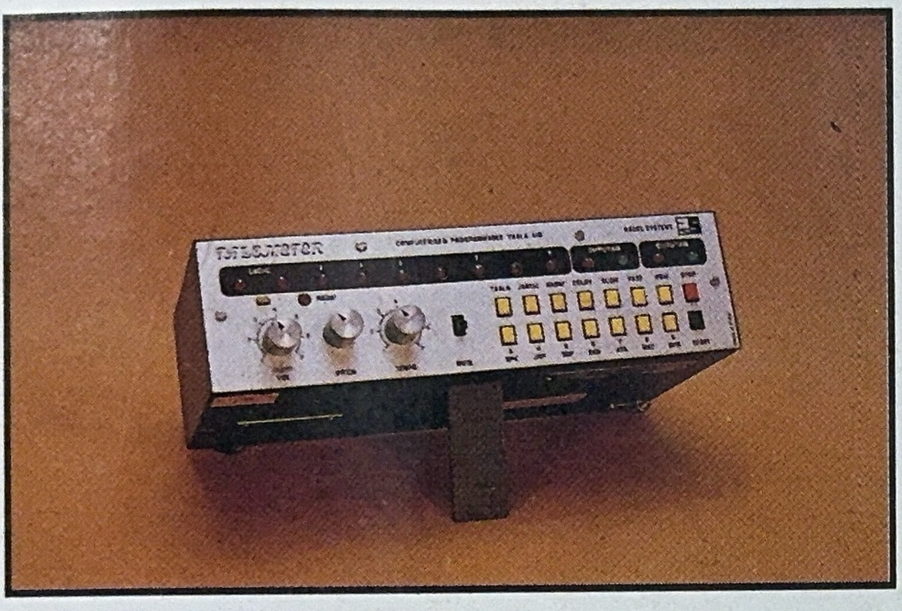
The "Taalmala" produces the Theka (rhythmic sounds of the tabla) for the various commonly used Hindustani taals. It has easy-to- use controls and is simple to operate. Controls are provided for adjustment of volume (loudness), pitch (sruthi) of the tabla, speed (tempo) and balance of relative volumes of the left hand (bayan) and right hand (dayan) sounds. Selection of the various taals are made through a calculator type keyboard which also has the start and stop keys. Various laya ranges such as Dhrut, Vilambit and Ati Vilambit can also be set to obtain any desired speed range. Within any of these ranges, the speed is continuously adjustable through a knob. The instrument automatically inserts additional "bols" (sounds) in the theka for Vilambit and Ati Vilambit modes to simulate a true-to-life accompaniment. A flashing LED lamp indicates the tempo as the theka progresses. Another LED indicates the SAM as the theka progresses. As an optional feature, a digital display indicating the count of the rhythmic cycle (matra) can be provided on both models at extra cost.

The "Taalmala" is available in two models, viz., PT-13 and PT-24. The PT-13 provides only 13 thekas. These are Ek Taal, Teen, Jhap, Rupak, Dadra, Deepchandi, Keherwa, Ada chautaal, Jhoomra, Tilwada, Dhamar, Chautaal & Bhajan.

The PT-24 is an advanced model providing 24 taals. These include the 13 available on the PT-13 model. The other 11 are Chachar, Matta, Rudra, Jai, Punjabi, Dhumali, Surphakta, Addha, Sool, Tevra and Garba. The PT-24 is also programmable by the user to play any other theka as desired. Programming is achieved through the same keyboard, each key corresponding to a specific bol.

The "Taalmala" is compact and portable. It can operate on AC Mains (230v or 110v) as well as batteries, making it literally a 'maestro on the move'.

'TALOMETER' - ELECTRONIC TAALA AID



The "Talometer" was the first of its kind to be invented in India in 1978. It is a revolutionary audio-visual instrument that can be set to all the 35 taalas of Carnatic (South Indian Classical) music (seven Principal taalas, viz., Rupaka, Jampa, Triputa, Eka, Ata, Matya and Dhruva and five jaathis, viz., Thisra, Chatusra, Khanda, Misra and Sankeerna). In addition to these, it can also be set to the Chaapu taalas.

The latest model of the "Talometer" is a microprocessor based instrument that provides for the selection of nadai (subdivisions within an akshara) also. It also has programming facilities for the display of specific laya patterns, for use in the teaching of music as well as dance.

The "Talometer" displays all the taalas by means of a row of lamps that glow one after the other as the taala progresses. The lamps are arranged in two groups which correspond to "Laghu" and "Dhrutam". Nine red lamps constitute the Laghu (corresponding to the maximum of a Sankeerna jaathi). Two red and two green lamps constitute two Dhrutams, the green signifying the visarjitham (wave of the hand). An additional yellow lamp emphasises the last laghu in taalas having more than one laghu (eg. Ata, Matya and Dhruva). The instant of each count is accompanied by the sound of a bell, a ringing tone for the beat of the palm and a staccato tone for the intermediate counts.

The "Talometer" has facility for adjustment of the Tempo (laya or speed) in four ranges. The range of adjustment caters for the slowest of tempo that would be encountered in Pallavis as well as the fastest corresponding to the chaapu taalas. Controls are also provided for the variation of the sruthi (pitch) and volume (loudness) of the sound of the bell. For those who may find the sound of a bell for every count unnecessary, a mute switch is provided. This cuts out the sounds for the minor counts (finger counts and the wave of the hand) leaving only the beat of the palm to be heard.

The instrument can be operated on batteries or AC Mains (110v or 230v).

The electronic musical instruments manufactured by RADEL SYTEMS have been designed and developed by an engineer-cum-musician of Bangalore. These products therefore cater to the very precise and artistic needs of a musician. Their excellent tonal quality ensures that they are suitable for use in concerts as well as practice sessions. The instruments are extremely simple to operate. Highly sophisticated technology used in their design, research during development and vigorous tests during their manufacture, have resulted in the production of sound almost identical to that of the conventional instruments that they simulate.

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